

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041223\
 Data File : VN077313.D
 Acq On : 12 Apr 2023 13:29
 Operator : JC\MD
 Sample : VN0412WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0412WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2023
 Supervised By : Semsettin Yesilyurt 04/13/2023

Quant Time: Apr 13 01:13:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	491802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	929503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	820556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	333692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	352074	52.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.760%			
35) Dibromofluoromethane	8.172	113	311800	52.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.800%			
50) Toluene-d8	10.572	98	1240681	51.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.854	95	390820	49.056	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	112239	17.881	ug/l	98
3) Chloromethane	2.372	50	130825	16.818	ug/l	98
4) Vinyl Chloride	2.525	62	185753	17.612	ug/l	98
5) Bromomethane	2.960	94	133797	17.499	ug/l	95
6) Chloroethane	3.131	64	121313	16.117	ug/l	98
7) Trichlorofluoromethane	3.502	101	182038	19.906	ug/l	99
8) Diethyl Ether	3.966	74	72726	18.978	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.378	101	109255	19.521	ug/l	98
10) Methyl Iodide	4.601	142	126901	18.644	ug/l	98
11) Tert butyl alcohol	5.531	59	116582	85.000	ug/l	99
12) 1,1-Dichloroethene	4.348	96	105162	18.254	ug/l	85
13) Acrolein	4.190	56	121116	93.238	ug/l	95
14) Allyl chloride	5.037	41	137753	15.831	ug/l	90
15) Acrylonitrile	5.731	53	266676	87.949	ug/l	99
16) Acetone	4.437	43	225921	91.160	ug/l	99
17) Carbon Disulfide	4.719	76	275351	17.724	ug/l	96
18) Methyl Acetate	5.037	43	170129	18.024	ug/l	97
19) Methyl tert-butyl Ether	5.807	73	377186	18.451	ug/l	99
20) Methylene Chloride	5.284	84	123885	17.700	ug/l	99
21) trans-1,2-Dichloroethene	5.801	96	118007	18.708	ug/l	90
22) Diisopropyl ether	6.684	45	318868	18.279	ug/l	100
23) Vinyl Acetate	6.607	43	1059569m	89.832	ug/l	
24) 1,1-Dichloroethane	6.584	63	208883	18.543	ug/l	98
25) 2-Butanone	7.489	43	355655	88.423	ug/l	98
26) 2,2-Dichloropropane	7.501	77	200489	19.409	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	143686	18.653	ug/l	98
28) Bromochloromethane	7.819	49	91086	20.102	ug/l	96
29) Tetrahydrofuran	7.842	42	223977	86.626	ug/l	98
30) Chloroform	7.972	83	226090	18.821	ug/l	100
31) Cyclohexane	8.260	56	190995	18.287	ug/l	98
32) 1,1,1-Trichloroethane	8.172	97	205537	18.813	ug/l	98
36) 1,1-Dichloropropene	8.378	75	169005	19.204	ug/l	98
37) Ethyl Acetate	7.566	43	141375	17.955	ug/l	98
38) Carbon Tetrachloride	8.372	117	176059	19.526	ug/l	94
39) Methylcyclohexane	9.607	83	229272	19.320	ug/l	98
40) Benzene	8.613	78	516101	18.801	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	71799	16.964	ug/l	93
42) 1,2-Dichloroethane	8.678	62	163605	19.365	ug/l	98
43) Isopropyl Acetate	8.695	43	254669	17.528	ug/l	99
44) Trichloroethene	9.360	130	128375	19.545	ug/l	99
45) 1,2-Dichloropropane	9.625	63	126141	19.349	ug/l	94
46) Dibromomethane	9.713	93	94870	19.314	ug/l	99
47) Bromodichloromethane	9.895	83	184811	18.824	ug/l	99
48) Methyl methacrylate	9.689	41	112083	18.083	ug/l	99
49) 1,4-Dioxane	9.701	88	55757	371.044	ug/l	93
51) 4-Methyl-2-Pentanone	10.448	43	762119	90.746	ug/l	100
52) Toluene	10.636	92	346341	19.276	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	203983	19.134	ug/l	92
54) cis-1,3-Dichloropropene	10.313	75	221563	19.511	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	138135	19.585	ug/l	97
56) Ethyl methacrylate	10.878	69	211496	19.252	ug/l	98
57) 1,3-Dichloropropane	11.166	76	226218	19.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	309649	94.688	ug/l	99
59) 2-Hexanone	11.201	43	571850	91.397	ug/l	98
60) Dibromochloromethane	11.360	129	145350	20.009	ug/l	99
61) 1,2-Dibromoethane	11.472	107	136448	19.382	ug/l	99
64) Tetrachloroethene	11.107	164	98255	19.383	ug/l	98
65) Chlorobenzene	11.895	112	364182	20.159	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.966	131	131151	19.187	ug/l	98
67) Ethyl Benzene	11.966	91	661548	19.845	ug/l	98
68) m/p-Xylenes	12.077	106	507588	38.751	ug/l	100
69) o-Xylene	12.401	106	260465	20.156	ug/l	100
70) Styrene	12.413	104	406592	19.553	ug/l	99
71) Bromoform	12.583	173	93384	19.408	ug/l #	98
73) Isopropylbenzene	12.701	105	655586	20.227	ug/l	100
74) N-amyl acetate	12.495	43	221423	18.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	201840	19.844	ug/l	100
76) 1,2,3-Trichloropropane	12.995	75	193483m	24.349	ug/l	
77) Bromobenzene	12.983	156	134610	20.426	ug/l	96
78) n-propylbenzene	13.042	91	721645	20.151	ug/l	100
79) 2-Chlorotoluene	13.130	91	429912	19.937	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	534953	20.665	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	74535	21.108	ug/l	87
82) 4-Chlorotoluene	13.224	91	415469	20.435	ug/l	100
83) tert-Butylbenzene	13.442	119	465080	20.184	ug/l	99
84) 1,2,4-Trimethylbenzene	13.489	105	512406	20.036	ug/l	100
85) sec-Butylbenzene	13.618	105	662936	20.644	ug/l	98
86) p-Isopropyltoluene	13.736	119	516730	20.474	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	244776	20.076	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	241797	20.110	ug/l	98
89) n-Butylbenzene	14.060	91	420017	20.047	ug/l	98
90) Hexachloroethane	14.336	117	111216	20.155	ug/l	95
91) 1,2-Dichlorobenzene	14.113	146	249571	20.462	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	35081	18.199	ug/l	99
93) 1,2,4-Trichlorobenzene	15.371	180	76522	17.379	ug/l	98
94) Hexachlorobutadiene	15.471	225	48676	19.098	ug/l	98
95) Naphthalene	15.589	128	281849	17.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.760	180	71180	16.901	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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TIC: VN077313.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

2000000
1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Iodide, T
Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl acetate, T
Vinyl Acetate, T
Diisopropyl ether, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
Cyclohexane, T
Carbon tetrachloride, T
Isopropyl acetate, T
1,2-Dichloroethane, T
Trichloroethene, TM
Dibromodichloromethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
t-1,2-Dichloroethane, T
1,1,2-Trichloroethane, T
1,2-Dichloropropane, T
Dibromochloromethane, T
Chlorobenzene, TM
Chlorobenzene, I
m,p-Xylenes, I
o-Xylene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
4-Chlorotoluene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,2,4-Trimethylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorocyclopentadiene, T
1,2,3-Trichlorobenzene, T